

ABSTRACT

Some disk devices used for a disk array may shorten a total active time when they are turned on 24 hours a day in comparison to a case where the disk devices are turned on only when needed. The disk device's total active time shortens when the disk device is turned on 24 hours a day and is operated continuously 24 hours a day. As a result, the disk device's operation period shortens. Such disk device is not suited for 24-hour continuous operations. The disk array capacity increases year after year. There is a trend of increasing the number of disk devices to be mounted. The power consumption for disk arrays tends to increase. A computer accessing a disk array has a disk control instruction program which allows the disk array to turn on or off specific disk devices in it. The disk array has a disk power supply control instruction reception program and a disk power supply control circuit. The disk power supply control instruction reception program receives an instruction to turn on or off disk devices from the computer. The disk power supply control circuit turns on or off a disk device corresponding to an LU specified by the computer.